

LISTING OF CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

IN THE CLAIMS:

1. (Original) A cell culturing system that carries in collected cells and contains them in an incoming transport container to which is attached unique identification information, transfers the transported cells to and cultures them in an intermediate container to which is attached unique identification information, and carries out the cultured cells by transferring them to an outgoing transport container to which is attached unique identification information; said system comprising

an input unit that inputs identification information attached to the containers before and after transfer whenever cells are transferred to a different container, and

a memory unit that stores in memory identification information input from the input unit in mutual correlation.

2. (Original) A cell culturing system according to claim 1, wherein in the case any of the identification information input from the input unit is already stored in memory, the memory unit stores other recently input identification information by adding to the existing identification information.

3. (Currently Amended) A cell culturing system according to claim 1, further comprising a rewriting unit ~~that rewrites the previously stored identification information~~

~~to other recently input identification information in the case any of the identification information input from the input unit is already stored in the memory unit.~~

4. (Currently Amended) A cell culturing system according to claim 1, wherein the identification information includes information relating to the steps in which each container is used.

5. (Original) A cell culturing system according to claim 1, wherein information on the hospital that is the origin of the incoming transport container is added to the incoming transport container.

6. (Original) A cell culturing system according to claim 1, further comprising a collating unit that collates cultured cells according to whether or not their correlation agrees with a correlation stored in the memory unit in the case the outgoing transport container identification information and the incoming transport container identification information are input as judgment information for collating cultured cells.

7. (Original) A cell culturing system according to claim 1, further comprising, in the case identification information of the outgoing transport container has been input as judgment information for collating cultured cells,

a reading unit that reads identification information correlated with identification information of the outgoing transport container from the memory unit, and

an output unit that outputs the read identification information, are additionally provided.

8. (Original) A cultured cell collating device for collating incoming cultured cells with patients for use in a cell culturing system provided with a memory unit, which together with carrying in collected cells by containing them in an incoming transport container to which is attached unique identification information, culturing the incoming cells by transferring to an intermediate container to which is attached unique identification information, and carrying out the cultured cells by transferring them to an outgoing transport container to which is attached unique identification information, correlates and stores in memory the identification information attached to the containers before and after transfer whenever the cells are transferred to a different container; said device comprising,

an input unit that inputs incoming transport container identification information and outgoing transport container identification information as targets for collation,

a judgment unit that judges whether the correlation of identification information input from the input unit agrees with correlation information stored in the memory unit, and

an output unit that outputs the judgment result.

9. (Original) A cultured cell collating device for collating incoming cultured cells with patients for use in a cell culturing system provided with a memory unit, which together with carrying in collected cells by containing them in an incoming transport container to which is attached unique identification information, culturing the incoming cells by transferring to an intermediate container to which is attached unique identification information, and carrying out the cultured cells by transferring them to an outgoing transport container to which is attached unique identification information,

correlates and stores in memory the identification information attached to the containers before and after transfer whenever the cells are transferred to a different container; said device comprising,

an input unit that inputs identification information of the incoming transport container or outgoing transport container as judgment information for collating cultured cells,

a reading device that reads identification information from the memory unit that is correlated with the identification information input from the input unit, and

an output unit that outputs the read identification information.

10. (Original) A cell culturing device that cultures cells by transferring the cells to culture containers to which are attached unique identification information according to the cell culturing process; comprising,

an input unit that inputs identification information attached to culture containers before and after transfer whenever cells are transferred to a different culture container, and

a memory unit that stores identification information input from the input unit in mutual correlation.

11. (Original) A cell culturing device according to claim 10, further comprising a large number of culturing chambers to which are attached unique identification information; wherein,

the input unit inputs identification information attached to a culture container and culturing chamber each time a culture container enters and leaves a culturing chamber, and

the memory unit stores the identification information input from the input unit in mutual correlation.

12. (Currently Amended) A cell culturing device according to claim 11, further comprising a sensor, in each culturing chamber, that detects internal culturing chamber information ~~such as temperature and humidity~~ within that culturing chamber; wherein

the memory unit stores culturing chamber identification information and internal culturing chamber information in mutual correlation at predetermined times.

13. (Currently Amended) A cell culturing device according to ~~any of claims 10 through 12~~ claim 10, further comprising a medium replacement unit that replaces medium that has accumulated in a culture container; wherein

the storage unit stores culture container identification information and medium replacement information ~~such as the date of medium replacement performed for that culture container, replaced medium, amount of growth factor and type of growth factor in~~ mutual correlation.

14. (Currently Amended) A cell culturing device according to claim 13, further comprising a medium information detection unit that detects medium information ~~such as dissolved oxygen concentration and sugar content of medium supplied to a culture container~~; wherein

the memory unit stores the culture container identification information and medium information in mutual correlation.

15. (Currently Amended) A cell culturing device according to ~~any of claims 10 through 14~~ claim 10, further comprising a cell count detection unit that detects the number of cells within a culture container; wherein

the memory unit stores culture container identification information in mutual correlation with the number of cells.

16. (Currently Amended) A cell culturing device according to ~~any of claims 10 through 15~~ claim 10, further comprising an infection testing unit that performs infection testing on cells in a culture container; wherein

the memory unit stores culture container identification information in correlation with the results of infection testing.

17. (Currently Amended) A cell culturing device according to ~~any of claims 10 through 16~~ claim 10, wherein the memory unit stores the identification information of a culture container that contains a first specimen and the identification information of a culture container that contains another specimen cultured simultaneously to that first specimen in mutual correlation.

18. (Currently Amended) A cell culturing device according to ~~any of claims 10 through 17~~ claim 10, wherein each set of identification information is presented by a barcode, radio wave signal generation unit, optical signal generation unit or acoustic generation unit.

19. (New) A cell culturing device according to claim 12, wherein the internal culturing chamber information includes temperature or humidity.

20. (New) A cell culturing device according to claim 13, wherein the medium replacement information includes the date of medium replacement performed for that culture container, replaced medium, amount of growth factor and type of growth factor.

21. (New) A cell culturing device according to claim 14, wherein the medium information includes dissolved oxygen concentration and sugar content of medium supplied to a culture container.